ROAD SUPERVISORS AND INSPECTORS

PLANT MIX PAVEMENT PRINCIPLES

Course Description. This course provides Road Supervisors and Inspectors with a thorough understanding of the Hot Mix Asphalt (HMA) mix design document produced by the Contractor in accordance with ISPWC and Idaho Transportation Department, Section 405 of the current Standard Specifications for Highway Construction and American Association of State Highway and Transportation Officials (AASHTO), Superpave Volumetric Design for Hot Mix Asphalt. The course focuses on the Mix Design Report submitted by the Contractor that includes the JMF summary, test worksheets, graphs, blending and batching sheets. We end the course with a discussion on production and field-testing during installation of the asphalt. (aka Workmanship)

TUESDAY

8:00AM-5:00

- Analyze a contractor Superpave Asphalt Mix design and job mix formula (JMF) and determine if it meets ISPWC / ITD specification for the type mixture specified
- Understand the relationship between the asphalt content, ggregate gradation, laboratory tests generated in the mix design and how they affect the JMF
- Understand the relationship between the various specific gravity values generated in the mix design and calculated volumetric properties and how they affect the JMF
- Understand binder selection and how to inspect and test for compliance
- Make a recommendation of the acceptability of the Contractor's mix design
- Make decisions based on test strip test results and production paving control chart data

WEDNESDAY

8:00 AM - NOON

- Utilize knowledge gained by better understanding what makes asphalt perform long term and be able to develop your own hecklists for ensuring contractor production compliance
- Move forward quickly with practical guidelines for use in understanding the critical parameters of plant mix pavements and methods for completing field verification of high quality, durable pavements with longer surface life and lower life cycle costs.

Written Examination on Mix Design Principles and Specifying Asphalt